

## CLAIM AMENDMENTS

### Claim Amendment Summary

#### **Claims pending**

- Before this Amendment: Claims 1-17, 56-61, and 70.
- After this Amendment: Claims 1-17, 56-61, and 70.

**Non-Elected, Canceled, or Withdrawn claims:** none.

**Amended claims:** 1, 56, and 70.

**New claims:** none .

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#### **Claims:**

1. **(CURRENTLY AMENDED)** A method for protecting a digital good, the method comprising:

generating a fingerprint, the fingerprint being a forensic entity identifier which is uniquely associated with a unique entity and the fingerprint is also associated with a watermark, wherein an entity is capable of processing some license or other rights for a digital good;

embedding the watermark into a digital good without embedding the fingerprint.

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1       2.   **(ORIGINAL)**   A method as recited in claim 1, wherein the  
2 generating comprises producing a short fingerprint which is approximately  
3 equivalent to the fingerprint and is substantially smaller in scale than the  
4 fingerprint.

5       6.   **(ORIGINAL)**   A method as recited in claim 1, wherein the  
6 generating comprises:

8             7. producing a pseudorandom watermark carrier that is independent of the  
9 watermark;

10             8. combining the carrier and the watermark to generate the fingerprint.

11       12.   **(ORIGINAL)**   A method as recited in claim 1, wherein the  
13 generating comprises:

14             15. producing a pseudorandom watermark carrier that is independent of the  
watermark;

16             17. amalgamating the carrier and the watermark to generate the fingerprint.

18       19.   **(PREVIOUSLY PRESENTED)**   A method as recited in  
claim 4, wherein the amalgamating comprises deriving the fingerprint from the  
carrier and the watermark.

20       21.   **(PREVIOUSLY PRESENTED)**   A method as recited in  
claim 4, wherein the amalgamating comprises combining the carrier and the  
watermark to generate the fingerprint.



1        7. **(ORIGINAL)** A method as recited in claim 1, wherein the  
2 fingerprint is uniquely associated with the watermark.

3  
4        8. **(ORIGINAL)** A method as recited in claim 1, wherein the  
5 fingerprint is at least partially derived from the watermark.

6  
7        9. **(ORIGINAL)** A method as recited in claim 1, wherein the  
8 fingerprint is associated with a detection entity.

9  
10      10. **(ORIGINAL)** A method as recited in claim 1, wherein the  
11 fingerprint is uniquely associated with a detection entity.

12  
13      11. **(PREVIOUSLY PRESENTED)** A method as recited in  
14 claim 1 further comprising:

15              segmenting the digital good into multiple segments;  
16              repeating the generating, and embedding for individual segments of the  
17 multiple segments, so that a segment has a segment-associated watermark  
18 embedded therein and a segment-associated fingerprint is associated with such  
19 segment-associated watermark.

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Serial No.: 09/841,159  
Atty Docket No.: MS1-777us  
AMENDMENT WITH REQUEST FOR CONTINUED  
EXAMINATION

1       12. (ORIGINAL) A method as recited in claim 1, wherein the  
2 embedding produces a marked digital good, the method further comprising  
3 distributing identical copies of the marked digital good to multiple detection  
4 entities, wherein individual fingerprints are associated with one or more detection  
5 entities.

6  
7       13. (ORIGINAL) A method as recited in claim 1, wherein the  
8 digital good is selected from a group consisting of digitized images, digitized  
9 audio, digitized video, digitized multimedia, software applications, and media  
10 signals.

11  
12       14. (ORIGINAL) A modulated signal generated in accordance  
13 with the acts recited in claim 1, wherein the signal has a minimum collusion  
14 resistance that grows linearly with the scale of the signal.

15  
16       15. (ORIGINAL) A modified signal generated in accordance with  
17 the acts recited in claim 1, wherein the signal has a minimum collusion resistance  
18 that grows with the scale ( $N$ ) of the signal in the order of magnitude of  $O(N \log N)$ .

19  
20       16. (ORIGINAL) A computer-readable medium having computer-  
21 executable instructions that, when executed by a computer, performs the method  
22 as recited in claim 1.

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1           **17. (ORIGINAL)** A computer comprising one or more computer-  
 2 readable media having computer-executable instructions that, when executed by  
 3 the computer, perform the method as recited in claim 1.

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5           **Claims 18-55 are CANCELLED**

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9           **56. (CURRENTLY AMENDED)** A system for facilitating the  
 10 protection of digital goods, the system comprising:

11           a key generation entity configured to generate pseudorandom watermarks  
 12 and fingerprints, a fingerprint being a forensic entity identifier which is uniquely  
13 associated with a unique entity, the unique entity being capable of processing  
14 some license or other rights for a digital good;

15           a marker configured to embed the watermark into a digital good,  
 16 wherein the fingerprint is not embedded into the digital good.

17           **57. (ORIGINAL)** A system as recited in claim 56, wherein the  
 18 key generation entity is further configured to produce a pseudorandom watermark  
 19 carrier that is independent of the watermark and combine the carrier and the  
 20 watermark to generate the fingerprint.

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Serial No.: 09/841,159  
 Atty Docker No.: MS1-777us  
 AMENDMENT WITH REQUEST FOR CONTINUED  
 EXAMINATION

1       **58. (ORIGINAL)** A system as recited in claim 56, wherein the  
2 key generation entity is further configured to produce a pseudorandom watermark  
3 carrier that is independent of the watermark and coalesce the carrier and the  
4 watermark to generate the fingerprint.

5  
6       **59. (ORIGINAL)** A system as recited in claim 56, wherein the  
7 fingerprint is associated with the watermark.

8  
9       **60. (ORIGINAL)** A system as recited in claim 56, wherein the  
10 fingerprint is associated with a detection entity.

11  
12      **61. (ORIGINAL)** A system as recited in claim 56, wherein the  
13 digital good is selected from a group consisting of digitized images, digitized  
14 audio, digitized video, digitized multimedia, software applications, and media  
15 signals

16  
17      Claims 62-69 are CANCELLED

18  
19  
20      **70. (CURRENTLY AMENDED)** A computer-readable medium  
21 having computer-executable instructions that, when executed by a computer,  
22 performs the method comprising:

23           generating a fingerprint, the fingerprint being a forensic entity identifier  
24           which is uniquely associated with a unique entity and the fingerprint is also

25  
Serial No.: 09/841,159  
Atty Docket No.: MS1-777us  
AMENDMENT WITH REQUEST FOR CONTINUED  
EXAMINATION

1 associated with a watermark, wherein an entity is capable of processing some  
2 license or other rights for a digital good;

3 embedding the watermark into a digital good without embedding the  
4 fingerprint.

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10 72. (C A N C E L L E D )  
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